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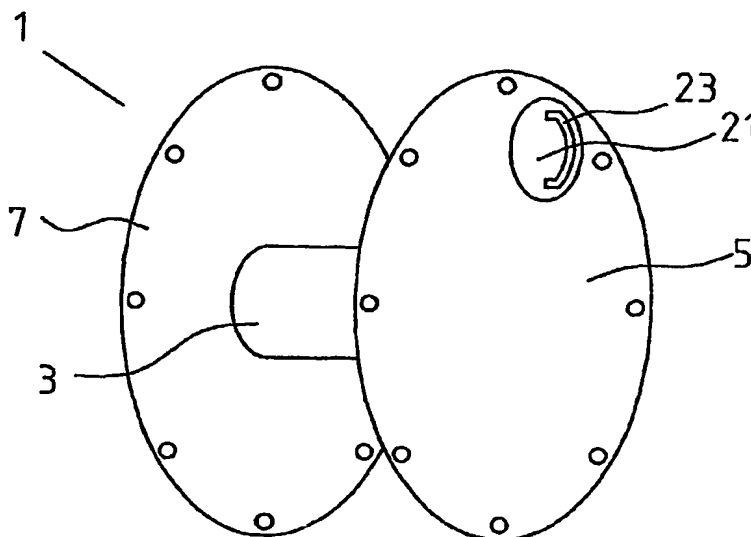
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[Continued on next page]

(54) Title: A HAND HELD CABLE REEL



(57) Abstract: The present invention relates to a hand held cable reel (1) comprising a central cable receiving core (3) mounted between a pair of disc like end flanges (5, 7), each disc like end flange (5, 7) having a handle (9, 11) mounted on the outermost surface of the flange, the handles being radially offset from the central axis of the cable receiving core (3) and circumferentially offset relative to each other. The handles (9, 11) are substantially c-shaped having a body portion (13) and a pair of inwardly depending arms (15, 17), the free end of each of the arms facing inwardly towards the flange (5, 7) upon which it is mounted. A pair of operating flanges (161, 163) freely rotatable with respect to the end flanges may also be provided.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IE2004/000067

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65H75/40 B65H75/28 B65H75/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B65H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 022 398 A (YOUNGBLOOD JOHN W) 10 May 1977 (1977-05-10) cited in the application the whole document	1
A	GB 1 528 704 A (GRIFFIN K) 18 October 1978 (1978-10-18) figure 3	1
A	US 3 633 843 A (SUTTON EDWIN CLEMENT) 11 January 1972 (1972-01-11) figures	1
A	CH 239 940 A (PUTHOD ROGER) 30 November 1945 (1945-11-30) figures	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- *G* document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 1 439 726 A (BROWN NON H) 26 December 1922 (1922-12-26) figure 1	1
A	US 6 452 108 B1 (MAJOR JOHN) 17 September 2002 (2002-09-17) figures 3,4	1
A	NL 6 615 326 A (PHILIPS) 1 May 1968 (1968-05-01) figures	1
X	US 1 543 489 A (WILSON GEORGE E) 23 June 1925 (1925-06-23) the whole document	25-27, 31, 32
X	CH 346 203 A (UEBERSAX PHILIPP) 15 May 1960 (1960-05-15) the whole document	25-32
A	CH 158 808 A (NEUCHATELOISE DE VERRES DE MON) 15 December 1932 (1932-12-15) the whole document	25
A	CH 382 102 A (UEBERSAX PHILIPP) 30 September 1964 (1964-09-30) the whole document	25
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A	CH 185 655 A (WESPI ALFRED) 15 August 1936 (1936-08-15) the whole document	25

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IE2004/000067

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-10, 25-32
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

Hand-held cable reel with a central core mounted between a pair of disc like flanges each having a handle radially offset from the central axis and circumferentially offset relative to each other wherein the handles are C-shaped.

2. claims: 11-18

Hand-held cable reel with a central core mounted between a pair of disc like flanges each having a handle radially offset from the central axis and circumferentially offset relative to each other wherein the handles are L-shaped and pivotable between an operative and inoperative payout preventing position.

3. claims: 19-24

Hand-held cable reel with a central core mounted between a pair of disc like flanges with alternative means for retaining the cable in position.

4. claims: 25-32

Hand-held cable reel with a central core mounted between a pair of disc like flanges and a handle mounted on the outermost surface of one of the disc like flanges radially offset from the central axis with an alternative position for the second handle.

5. claims: 33-39

Hand-held cable reel with a central core mounted between a pair of disc like flanges with an additional pair of coplanar disc like operative flanges.

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